

From owner-qrp-1@netcom.com Sat Apr 22 21:57:38 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: "Need Dayton roommate" cancelled!
Date: Sat, 22 Apr 95 16:35:21 EST5EDT
Message-Id: <1995Apr22.163521.14764@wb3ffv.ampr.org>

Sigh....A person who shall only be known as He Who Reserved Our Rooms (HWROR) told me a while back he had requested two rooms from Myron Koyle, had gotten them, told me he wanted one to himself because he "makes a terrible roommate" and that I could have the other one. Not wanting to spend all that money, I put out a request for a roommate. Unfortunately, HWROR called me on the phone today; while I still have a seat in his car going to Dayton, HWROR told me that he was later talked into giving up one of his two rooms to the Dayton Hotel Room Pool to help the Roomless QRP Poor, and now I'll have to settle for a space on the floor in his only room to throw my moldy sleeping bag. I hereby rescind the request for a Dayton Roommate :-(73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Sat Apr 22 02:52:26 1995
Date: Fri, 21 Apr 1995 16:49:43 -0230 (NDT)
From: Bob Gobrick VO1DRB/WA6ERB <bgobrick@terra.nlnet.nf.ca>
Subject: Re: A quick note
Message-Id: <Pine.OSF.3.91.950421164828.6543B-100000@terra.nlnet.nf.ca>

Richard - thanks for your QRP FAQ thesis - I saw it over on Steve's WWW QRP page and it looks good - keep the updates coming...

Caio 73 72 Bob VO1DRB/WA6ERB

Bob Gobrick VO1DRB/WA6ERB/VE2DRB Newfoundland, Canada

QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: bgobrick@terra.nlnet.nf.ca
rgobrick@public.compuserve.com

Compuserve: 70466.1405@compuserve.com

From owner-qrp-1@netcom.com Sun Apr 23 04:38:10 1995
Date: Sat, 22 Apr 95 22:20:00 PDT
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9504230520.AA16422@deneb.csustan.edu>
Subject: Cascade Orders

This is the "Official" Announcement of the Availability of the Cascade, the 3rd in the series of NorCal Kits. We have done the prototype testing and revising, and it is time for the kit to see the light of day. John Liebenrood, K7R0, is the designer, and he had input from many of the NorCal gurus. The rig is a dual band SSB transceiver on 75 and 20 meters. It does not do CW, but John says that it will be an easy mod to do. Also, by changing the crystal frequency to 12.288, it can be put on 40 and 17 meters.

The kit will be sold as a 75/20 meter kit, if you want to put it on 40 and 17, we will provide the information. You will need to buy the crystals and a few capacitors.

Here are the Specs:

Size:

2.6"(H) x 6.3"(W) x 5.3"(D)

DC Power Requirements:

Receive: 50mA

Transmit: 1.25 A

Frequency Coverage:

75M SSB 3.750 to 3.950 MHz

20M SSB 14.150 to 14.350 MHz

Band edge adjustment range +/- 20 kHz

Transmitter:

SSB Only

Uses 2 - meter speaker mike; 2.5mm stereo mic plug, 3.5mm speaker (mike not provided in kit)

75M LSB Power: 8 Watts

20M USB Power: 5 Watts

Speech Compression

2 Tone IMD distortion products: -35 dB

Spurs emissions; >45dB down

Receiver:

NE602 Based Superhet, 9MHz IF

5MHz LC VFO, 200 kHz tuning range; 8:1 vernier

5 pole crystal filter, 2.7 kHz 3dB bandwidth

Audio output power >1 Watt into 8 ohms

Audio derived AGC

AF gain control

RF gain control

Case:

Sierra Style, .062" aluminum with plastic southco latches

Band Switching:

Plug in modules. Similar to Sierra, gold plated, and both are

provided in the kit.

Test Equipment Needed:

12V power supply

Speaker mic

VOM

General Coverage Receiver or >20MHz scope

RF Probe

10 Watt Dummy Load

75 Meter Antenna

The kit will sell for \$159.95 plus \$5.00 Shipping for all US residents except those living in California. California Residents get to add \$12.40 sales tax. Canadian and DX orders will need to include \$10 shipping. So, here is the cost:

All US Residents Except California: $\$159.95 + \$5.00 = \$164.95$

California Residents: $\$159.95 + \$5.00 + \$12.40 = \177.35

DX and Canadian Residents: $\$159.95 + \$10.00 = \$169.95$

US FUNDS ONLY!!!!!!!!!!!!!! Make Checks out to Jim Cates,
NOT NorCal!!!!!!!!!!!!!!

Kits will only be sold to NorCal members. Memberships are free, but you must apply. Subscriptions to QRPP are \$10.00 per year for US residents, \$15.00 Canada, and \$20 DX. These prices are US Funds only. QRPP is mailed 4 times per year and is now 68 pages, no advertising, all qrp information. If you don't subscribe, you will miss out on all of the great mods that our members will come up with for this kit.

We will take orders until June 15th, and we anticipate a shipping date of August 15th. We will make every effort to meet that deadline, but we are at the mercy of our suppliers. Each kit will contain all parts and is a complete kit. It includes double sided, plated through, solder masked, silk screened boards from the same house that did the Sierra, Both band module boards (gold plated), all pc parts, all connectors, knobs, dial, Sierra style case with latches, literally everything except the Mike. You provide the sweat and solder.

To Order: Send your check or money order to:

Jim Cates, WA6GER

3241 Eastwood Rd.

Sacramento, CA 95821

Phone: 916-487-3580

The Cascade will be at the ARCI QRP Hospitality Room Thursday, Friday and Saturday nights. It will be on display at the G-QRP booth on Friday and Saturday.

By the way, this project was started on November 11th on the way to Vancouver, BC. John and I thought it up, and he designed it. Design goals were for a simple entry level SSB rig that was small in size, simple to

build, and capable of a reasonable expectation of making contacts. This is not a beginners kit. If you have successfully built a kit, then you should be able to complete the Cascade successfully. The manual is very comprehensive, and is the build a section, test a section style.

Special thanks to all who have helped. Prototype builders were John Liebenrood, John Koenig, Vern Wright, and Doug Hendricks. Beta version builder is Dave Meacham.

72, Doug, KI6DS

From owner-qrp-l@netcom.com Sat Apr 22 01:00:12 1995
Date: Fri, 21 Apr 1995 20:39:43 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199504220139.UAA26366@chuck.dallas.sgi.com>
Subject: Catalogs and Ocean State Electronics

What may help the parts dealers out is for us as a group to volunteer to post their current prices to this group and the Internet in general or at least keep in a FAQ some of the better values. I know this borders on commercialism, but we need these guys and they need us.

Someone mentioned that we keep losing freq space to others, QRO +. Remember that we build and we also gotta get on the air. I know that there are a large number of experimenters out there that don't get on the air. They build, experiment, improve, puts lots of time into dummy loads, but just feel that they don't have the operation skills or the desire to get on the air.

Put 'em on the air guys. We wanna hear from you on the air. Spend time on the air, not in front of a keyboard on the internet.

OK, I'm off to run an experiment before time gets here to leave for Dayton.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Sat Apr 22 15:55:51 1995
Message-Id: <199504221756.NAA23539@brutus.bright.net>
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
Date: Sat, 22 Apr 1995 17:50:03 -4
Subject: Cost of catalog from small vendor

As a "small vendor", I would like to offer some comments about the recent thread that has been on the QRP-L list.

In the past several months the number of "small vendors" has gotten smaller(!). Townsend dropped out of the business, Tejas has cut back, Dan's Small Parts is temporarily (I hope!) QRT, and OHR is getting out of the parts business.

I spoke with Townsend at the Ft. Wayne Hamfest last November as he was selling off his stock. He put a LARGE amount of cash into the business expecting to get some return on it - he was still a long way in the hole when he backed out. I have not spoken to the other businesses I mentioned above - but my guess is that they have looked at their costs vs returns and have cut back.

Those of you that follow my catalog will notice that the next catalog will be smaller. The most recent catalog I produced cost almost \$400 for 500 copies. It takes 78 cents of postage to mail. You do the math.... I ask for \$1.00 to help cover my costs when I send out a catalog. If there is not a stamp or dollar with the catalog request, I put a sticker in the catalog and request a dollar. Sometimes I even get a dollar back in the mail! If a stamp is included I use the stamp on the catalog - the requester will pay the postage due.

Margins for the small business are thin. None of us are going to retire on what we are making from our venture. I am doing Kanga for the fun of it and to try to put something back into the hobby that I have gotten so much out of over the years. If I stopped and really figured out the real cost I would probably quit the business right now - catalogs, shipping, trips to UPS, the Post Office, trips to get parts, hamfests, telephone costs, the number of hours spent getting kits together, preparing catalogs, getting ready for hamfests, helping people on the telephone with problems with Kanga kits, and even kits from other manufacturers - it really adds up.

So - when you pick up a flyer at Dayton this weekend - remember that the stack on the table probably cost \$75 to \$100 to get printed and took time to prepare..... Don't come down too hard on the small companies for trying to cover their costs - they can't run a charity and stay in business for long.

Anyway - Looking forward to meeting all of you at Dayton this weekend - I WILL have fliers at the Kanga/ GQRP table (where you pick up your name badges) - be sure you get a flier too, and then order something from it! - HI!

BTW - I am working on a WWW home page with my catalog on it. I

currently do not have a full time server to put it on..... I am testing by dialing into our local provider and bringing up my own WWW server on my PC with the Kanga US home page. After I get back from Dayton I will announce the TCP/IP address you will need to use to access the server, along with the times when I will have it up and available. If anyone would like a sneak preview drop me an e-mail....

73 - Bill Kelsey - N8ET
Kanga US
kanga@bright.net
419-423-4604

From owner-qrp-1@netcom.com Sun Apr 23 04:27:34 1995
Date: Sat, 22 Apr 95 22:24:14 PDT
From: dh@deneb.csustan.edu (Doug Hendricks)
Message-Id: <9504230524.AA16426@deneb.csustan.edu>
Subject: Curtis Keyer kits

Norcal has received another 100 Curtis 8844ABM Keyer chips. The kits cost \$17, postage paid in the US, \$22 DX Air Mail!! They include the chip, a Far Circuits Board, and the Info sheet on the chip. Send your orders to Jim Cates, US Funds only, Checks and Money orders made out to Jim Cates and not to NorCal.

Jim Cates, WA6GER
3241 Eastwood Rd.
Sacramento, CA 95821
916-487-3580

This is offered as a service to NorCal members and we are a club, not a commercial venture.

72, Doug, KI6DS

From owner-qrp-1@netcom.com Sat Apr 22 02:28:43 1995
Date: Fri, 21 Apr 1995 18:54:31 -0400 (EDT)
From: Mark D Jarmuz <jarmuz@acsu.buffalo.edu>
Subject: Dayton nets ????
Message-Id: <Pine.3.89.9504211851.A17112-01000000@destrier.acsu.buffalo.edu>

Hi gang....

Just wondering, for us poor guys that won't make it to dayton this year if there will be any nets set up? please let me know times, freqs, etc...
tnx and 73s...72s Dave...AA2PF.....

From owner-qrp-1@netcom.com Sat Apr 22 06:48:54 1995
From: ARDAI@MAVEN.dnet.teradyne.com
Date: Fri, 21 Apr 1995 19:55:35 -0500 (EST)

Subject: FWD: more on keyers

Message-Id: <01HPM2K7LN5U003LJ4@A1GATE.TERADYNE.COM>

According to W. Daniel, 9V1ZV:

>
> the versatile PIC 16Cxx type microcontrollers? These things are really super
> versatile, and when purchased in quantities, are in fact very very cheap. Not
> only that, the support circuitry is really simple, and once some one implements
> a smart keyer on it, that is, one that has more than just basic features, it
> can be made so small you really can't believe it. Such a keyer, will have all
> the features of a Curtiss 8044, including control pots for weighting and speed,
> plus the bonus that the weighting can be made continuous from negative to
> positive without needing switches. And when some new firmware is developed, we
> can simply re-program the PIC's to get new features etc. I am just wondering
>

I just completed (yesterday night) a keyer like that that will fit into my
IC735 in place of the unit from Icom that costs a fortune. It's
a really basic version, although supporting dot memory on/off and jambic
keying, due to the lack of controls available on the rig but
will soon be expanded with a few memories and such.

It uses an Sgs-Thompson ST62T10 micro controller and will cost about 12\$
provided you have some basic components out from the junkbox (a 78L05 and
a few resistor and caps). The unit draws about 3.0 mA making it ideal for qrp
and portable work (pcb could be made as small as 1.5"x1.5" may be less).

I'm wondering about availability and price of the ST62T10 in the US.

Does anybody know??

72/73, Marco

--

Marco Fassiotto, i1iiy/aa1iu

Internet : fax@sparc4.ico.olivetti.com

AX25 : aa1iu@n0ary.#nocal.ca.usa.na

Tcp/ip : i1iiy@i1vdm-13.ampr.org or aa1iu@k9iu.ampr.org

From owner-qrp-l@netcom.com Sat Apr 22 07:42:56 1995

Date: Sat, 22 Apr 1995 06:05:38 -0400 (EDT)

From: James Lyons <jlyons@CAM.ORG>

Subject: re: Ham Stick Antennas

Message-Id: <Pine.SOL.3.91.950422055913.3548A-100000@ocean>

On Fri, 21 Apr 1995 CBAILEY@PAMDT.ANG.AF.MIL wrote:

> Hello,

>
> I am now in the process of installing Hamsticks for 20 and 40 meters on the
> The one thing I'm finding is that the impedance is rather low at resonance.
> 30 ohms in one case. I don't remember which band that was. For 20 meters
> the SWR was 1.7 to 1. On 40 meters, the SWR was 2.5 to 1. Resonance was
> tuned for recognized QRP CW frequencies.
>

You'll have to put a capacitor across the base of the antenna to ground
on each antenna. See ARRL Handbook, "Mobile whip, loading .." Section
33-16 in the 93 edition.

I found 470 pF on 40 and 100 pF on 20 worked for me. Rig up a variable
and with your RF1 you should be able to get spot on ... let us know what
values you get.

Mechanically, I inserted a coax T-piece in the feeder near the feed point
and then soldered the cap across a UHF socket and plugged that into the
leg of the T.

&2, Jim, VE2KN

From owner-qrp-l@netcom.com Sat Apr 22 08:59:21 1995
Date: Fri, 21 Apr 1995 22:04:12 -0700 (PDT)
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>
Subject: Re: Looking for a FET
Message-Id: <Pine.3.89.9504212116.A5549-0100000@freenet.vancouver.bc.ca>

On Fri, 21 Apr 1995, Ted Kell wrote:

> I have been looking at the "California Board" SSB rig in the latest issue of
> QRPp and have run into a slight problem. I cannot find any reference to the FET
> labeled as Q! on the main board. It is listed as a VN10KM. Can anyone help me
> in finding a source, or perhaps a replacement for this device? I have seen a
> VN101P in the latest Digi-Key catalog and talked to the manufacturer. They tell
> me that it is a European device, so perhaps the VN10KM is also. So if anyone
> has info on this, I would appreciate hearing from you.

>

> 73

>

> KC5CUW

>

>

> Ted Kell (kell@mpac.jsc.nasa.gov)

>

>

The VN10 was developed and introduced by "Signetics Corporation" some 10 or more years ago. Signetics was, at that time, to the best of my knowledge, a US company based in Sunnyvale CA. Around 1991, Sygnetics was bought out (or merged) with Philips of Eindhoven, Holland. However, it continues to operate independantly as "a North American Division".

"Active Components" in Vancouver, BC carry VN10s as regular stock - and presumably Active's US branches do likewise.

72 Derry VE7QK

From owner-qrp-l@netcom.com Sat Apr 22 13:10:05 1995
Message-Id: <9504221520.AA28592@ig1.att.att.com>
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)
Date: 22 Apr 95 11:16:00 -0400
Subject: Nets

Dave, and Inet/QRP

As far as on the air at Dayton, Im afraid it will be catch as catch can.

QRPers usually spend time socializing, looking and learning and only a few rigs can be on the air from the hospitality suite at a time. Also, it gets VERY noisy with 150 QRPers, sort of like an Irish wake.

Best time to work the Dayton crowd is from 9:30 pm - 2 am each evening. Folks used to stay up later, when our antenna was at the 11th floor level at a previous hotel. Rare DX always could be worked with the AA2U portable antenna. It was was like a magnet for DX.

Dayton stations use their own callsigns/8 QRP.

Some individual rooms have decent antenna sites and some folks set up in rooms, but it's QRP-style partying, Home (and commercial) Brew, and "meeting folks" in person that is the main draw.

Who knows how to apply for an official ARCI Club callsign (W8QRP) ?

72 Jim W1FMR

From owner-qrp-l@netcom.com Sat Apr 22 06:22:42 1995
Date: Fri, 21 Apr 1995 22:36:49 -0400 (EDT)

From: Sherwood Probeck <sprobeck@netaxs.com>
Subject: NN1G SW-40 Kit!
Message-Id: <Pine.SUN.3.91.950421223017.16216B-100000@unix1.netaxs.com>

Greetings All!

I just received my NN1G SW-40 and RIT Mod Kits in the mail today! Perfect timing as today is my birthday :) Wife and kids think I'm nuts after watching me check out the kit with all the parts.

The SW-40 and the RIT Mod were shipped separate and came well packed. I'll start building tomorrow and let you all know how it turns out. Oh, I did go out and get a nice case and all the other extra parts that I needed so that I can sit down and go at it :')

72 de KE3MI

=====

Sherwood R. Probeck, KE3MI	"What hath God wrought." Samuel Morse, 1844
ex KB2MQQ, N2NFE and KF2EP	Morse Code - Try it, You'll like it!

Remsen Computer Services	
Sales, Service, Data Recovery	Office: 610-594-1827
and Preventive Maintenance	Fax: 610-594-8594

=====

From owner-qrp-1@netcom.com Sat Apr 22 14:24:31 1995
Message-Id: <m0s2hwQ-000E0TC@dorite.iquest.net>
Date: Sat, 22 Apr 95 11:21 EST
From: allenj@iquest.net (Allen Jones)
Subject: Re: NN1G SW-40 Kit!

>I just received my NN1G SW-40 and RIT Mod Kits in the mail today!
>

Hello Sherwood -

I bought my SW-40 back in December before the RIT mod was available. I assume you got both from NN1G. Could you give me some details on the RIT mod, price, etc.?

Thanks es 72/73 Allen, K9DZE

From owner-qrp-1@netcom.com Sun Apr 23 05:14:23 1995
Date: Sun, 23 Apr 1995 02:58:22 -0400 (EDT)
From: Sherwood Probeck <sprobeck@netaxs.com>
Subject: Re: NN1G SW-40 Kit!
Message-Id: <Pine.SUN.3.91.950423024752.18372B-100000@unix1.netaxs.com>

Greetings Allen,

I received both the SW-40 and Rit Mod from Dave NN1G. The Mod was only 7 dollars.

Parts List:

- 1 PC Board
- 1 14-pin IC Socket
- 1 4066 CMOS IC
- 1 1N4148 Diode
- 1 .01 Disk Cap
- 1 5.1k 1/4 Resistor
- 1 47k 1/4 Resistor
- 2 100k 1/4 Resistor
- 6 Posts
- 1 Solder Lug

The RIT PC Board haywires to the existing transceiver without additional trace cuts or jumpers on the original board.

I havn't put it together as of yet, just finishing up on the TX and the case. Hope to have it on the air by tomorrow night.

72 de KE3MI

 Sherwood R. Probeck, KE3MI "What hath God wrought." Samuel Morse, 1844
 ex KB2MOQ, N2NFE and KF2EP Morse Code - Try it, You'll like it!

Remsen Computer Services
Sales, Service, Data Recovery
and Preventive Maintenance

Office: 610-594-1827
Fax: 610-594-8594

On Sat, 22 Apr 1995, Allen Jones wrote:

>

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> assume you got both from NN1G. Could you give me some details on the RIT
> mod, price, etc.?
>
> Thanks es 72/73 Allen, K9DZE
>

From owner-qrp-1@netcom.com Sat Apr 22 17:38:18 1995
Date: Sat, 22 Apr 1995 12:13:47 -0500 (CDT)
From: Joe Spencer <jspencer@metronet.com>
Subject: Re: Ocean State Electronics
Message-Id: <Pine.HPP.3.90.950422120748.22931A-100000@fohnix.metronet.com>

The only problem with this is ... I am looking at an ad from the
March 1995 'Electronics Now' wherein Ocean State Electronics says,
"Catalog FREE to US customers." This causes confusion when it seems that
they mean a customer is someone who is/has bought something from them and
not someone who wishes to find out what they have to buy.

Just an observation.:-)

I feel it is important to support the few remaoning parts suppliers.

DE KK5NA

On Fri, 21 Apr 1995, John F. Woods wrote:

> Steve Slavsky wrote:
> > I called Ocean State today and they will only send a catalog with an order
> > or for \$2.00, cash or check. They do not want an SASE, they want to sell
> > you a catalog. I know its not a lot of money, but there are a lot of
> > vendors out there.
>
> Uh, not if you keep that up.
>
> Well, I went into a big long rant about the dwindling ranks of parts
> suppliers and the fact that thick printed catalogs cost real money,
> but I assume everyone actually knows this, so I thought instead of
> ranting I'd just take the opportunity to remind everyone that low-margin
> operations run by individuals (like KA7QJY), or small handsfull of people
> (like Ocean State) are really helped out by small contributions for the

> catalogs, so if you like being able to order air-variable capacitors,
> remember to help them out.
>

From owner-qrp-l@netcom.com Sat Apr 22 15:08:49 1995
Date: 22 Apr 95 12:57:11 EDT
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: OHR WM-1 Wattmeter
Message-Id: <950422165711_74740.3166_EHB51-1@CompuServe.COM>

On April 22, 1995, I wrote:

My OHR QRP wattmeter arrived today. I was looking forward to building it over the weekend. However, on taking an inventory of the parts, I found that the wire package was missing. So, I guess I'll just settle for stuffing the board this weekend and call OHR on Monday.

Ooops! I needed to read further into the instructions. Turns out there isn't a "wire pack" as the parts list says. It's actually a 12-inch hunk of multi-conductor cable which is disassemble to provide the hookup wire.

After figuring that out, construction went quick and very easy. I fired it up, did the alignment, and the thing works like a champ. The readings off the WM-1 track perfectly with measurements using an RF voltmeter. It now confirms that the cross-needle wattmeter in my MFJ tuner is considerably off. Great for quick SWR checks, but not too accurate for absolute measurements.

The WM-1 is a nifty addition to my meager shack. Life is very good.

73, Craig WB3GCK

From owner-qrp-l@netcom.com Sat Apr 22 04:10:41 1995
Date: Fri, 21 Apr 1995 21:45:33 -0700 (PDT)
From: "John D. Spittle" <jds@freenet.vancouver.bc.ca>
Subject: Re: Pigeons on beam: final solution
Message-Id: <Pine.3.89.9504212103.A5549-01000000@freenet.vancouver.bc.ca>

On Fri, 21 Apr 1995, Goran Hosinsky wrote:

>
> Some time ago I asked for help about how to handle pigeons on the
> antenna. A big crowd of pigeons were using my beam as place
> to sit down on and look at the view. I was worried that an
> element would break from the weight.
>

> etc., etc.

With present band conditions, why not catch & train them? Attach a message to one leg with an elastic band and, you never know, you might be able to make some interesting DX contacts.

Has anyone got a solution for racoons.....?

72 Derry VE7QK

From owner-qrp-l@netcom.com Sun Apr 23 01:34:51 1995
Date: Sat, 22 Apr 1995 19:00:02 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
Subject: Re: Pigeons on beam: final solution
Message-Id: <Pine.SUN.3.90.950422185715.11026A-100000@nimbus>

On Fri, 21 Apr 1995, John D. Spittle wrote:

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>

> >

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> >

> > etc., etc.

>

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> message to one leg with an elastic band and, you never know, you might
> be able to make some interesting DX contacts.

>

> Has anyone got a solution for racoons.....?

>

> 72 Derry VE7QK

>

>

Sure, put suction cups on their feet and let them go after the pigeons.....

73, Ron, KU7Y

From owner-qrp-l@netcom.com Sat Apr 22 13:50:57 1995
Message-Id: <2f98f423.pandora@pandora.lugs.po.my>

Date: Sat, 22 Apr 1995 20:18:41 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.po.my>
Subject: PMC Electronics?

Hi Gang,

Does anyone know the contact address for PMC Electronics? I think this is a firm in LA, California?

Thanks.

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.po.my |
| 9V1ZV      | daniel.wee@f516.n600.z6.fidonet.org |
| UUCP1.12j  | Packet: 9V1ZV @ 9V1VS.SGP.AS -- |
+-----+-----+
```

From owner-qrp-1@netcom.com Sat Apr 22 15:01:14 1995
Message-Id: <199504221659.KAA01420@scratchy.itsnet.com>
Date: Sat, 22 Apr 1995 09:32:00 -0700
From: radventr@itsnet.com (Jim Stevens)
Subject: Re: QRP Plus Group Purchase? (fwd)

>Forwarded message:

>> Who's handling the next group purchase from Index Labs? Please send me email
>> with the info. Thanks.

>

>Me, Too!

>

jim

KK7C

From owner-qrp-1@netcom.com Sat Apr 22 17:38:24 1995
Message-Id: <199504221700.LAA01436@scratchy.itsnet.com>
Date: Sat, 22 Apr 1995 09:32:30 -0700
From: radventr@itsnet.com (Jim Stevens)
Subject: Re: QRP Plus Group Purchase? (fwd)

>Forwarded message:

>> Who's handling the next group purchase from Index Labs? Please send me email
>> with the info. Thanks.

>

>Me, Too!

>

jim
KK7C

From owner-qrp-l@netcom.com Sun Apr 23 02:53:10 1995
From: rarland@epix.net
Date: Sat, 22 Apr 1995 23:23:25 -0400 (EDT)
Subject: Re: QRP Plus Group Purchase? (fwd)
Message-Id: <Pine.SUN.3.91.950422232136.27232A-1000000@peach.epix.net>

Good Luck!

Fran, KA3WTF, who keeps in weekly contact with Bruce at Index Labs says at the last count they were 2 months (that's 8 weeks, guys) behind on filling orders.

Y0u can complain, if you want to, but if he and his staff work faster, quality control will start to suffer.

From owner-qrp-l@netcom.com Sun Apr 23 03:49:01 1995
Date: Sat, 22 Apr 1995 20:12:46 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Qrp Sweepstakes, First Place Alberta
Message-Id: <Pine.SUN.3.91.950422200535.8862D-1000000@ume>

Well, I want to thank my long time Qrp Contest rival, Tim, VE6SH for "ALLOWING" me to win the Alberta division QRP SS this past year. Tim and I ususally are 50:50 in the big contests but he ALWAYS beats me in the SS. This year, Tim was a "guest op" at a VE7 QTH and had to cope with 4 square arrays on 80 and monobanders at 100 feet. (Actually, for sweepstakes this might be a disadvantage at times?) Well, got the certificate today.....think I will frame this one! ;-)

Dr. Rick Zabrodski BSc, MD, CCFP(E) * VE6GK
Email: zabrodsk@med.ucalgary.ca * NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276 * "Power is no subsitute for skill"

From owner-qrp-l@netcom.com Sat Apr 22 00:53:14 1995
Date: Fri, 21 Apr 1995 18:01:52 -0700 (MST)
From: Richard Kendrick Jr <rrk@indirect.com>
Subject: QRP+ Group Order
Message-Id: <Pine.BSD/.3.91.950421175928.24105A-1000000@bud.indirect.com>

I talked to Index Labs this afternoon and also learned that the January orders are being completed now. I also learned that our order is tentatively set to ship May 5, but no definite commitment on date. It's getting close guys, hang on!

Richard Kendrick CET WA7TWI		
Amateur Radio Extra Class		Do not adjust your mind, there
QRP #4129/G-QRP #8591/MI-QRP #M-1412		is a fault in reality.
Phoenix, AZ email: rrk@indirect.com		

From owner-qrp-l@netcom.com Sat Apr 22 07:53:50 1995
Date: Sat, 22 Apr 1995 06:44:41 -0400 (EDT)
From: James Lyons <jlyons@CAM.ORG>
Subject: Re: Re[2]: Ham Stick Antennas
Message-Id: <Pine.SOL.3.91.950422064130.3548C-100000@ocean>

On Fri, 21 Apr 1995 TLeonard@ccmgate.mti.com wrote:

> Cameron:
> What you have seen on 40 meters is typical of mobile
> installations. I have used several antennas, including the
> Ham Stick and in all cases, a 300 to 500 pf mica capacitor,
> mounted at the base of the antenna, placed across the
> antenna terminals was required to raise the feed point
> impedance to 50 ohms. In the case of the ham sticks, the
> "hot" side of the cap was attached with an alligator clip so
> that when the antenna was changed to 20 meters, the cap
> could be removed.
>

I found 470 pF worked on 40 and 100 pF on 20. I inserted a UHF T-piece in the feeder near the base of the antenna and soldered the cap across a UHF female then plugged it into the leg of the T. Makes changing bands simple. I was using a trunk-clip mount and the T piece is in the trunk near the feed point.

I had a problem with Cameron's email address here.

72, Jim

From owner-qrp-l@netcom.com Sat Apr 22 01:45:37 1995
From: Per-Arne_Wahlgren@online.idg.se (Per-Arne Wahlgren)
Subject: subscribe

Date: 21 Apr 1995 23:08:35 GMT
Message-Id: <131070.9914636@online.idg.se>

From owner-qrp-l@netcom.com Sun Apr 23 07:03:38 1995
Date: Sun, 23 Apr 1995 03:03:47 -0400 (EDT)
From: Sherwood Probeck <sprobeck@netaxs.com>
Subject: Re: sw-40xD?
Message-Id: <Pine.SUN.3.91.950423030031.18372C-100000@unix1.netaxs.com>

Greetings Robert,

I believe that the SW-40 is the newer version of the 40-40. The sw stands for Small Wonders.

Almost finished with it and hope to have it on the air tomorrow night!

72 de KE3MI

```
=====
Sherwood R. Probeck, KE3MI      "What hath God wrought." Samuel Morse, 1844
ex KB2MOQ, N2NFE and KF2EP      Morse Code - Try it, You'll like it!
-----
Remsen Computer Services
Sales, Service, Data Recovery      Office: 610-594-1827
and Preventive Maintenance        Fax: 610-594-8594
=====
```

On Sun, 23 Apr 1995, Robert Finch wrote:

```
> ....uh been reading the thread abt. nn1g sw-40...
> is this the same as the nn1g 40-40 offered by
> the ne-qrp club last year & later upgraded and then
> published in the arrl handbook for 95?....
> just kinda curious (what does sw stand for?)
> .....tnxs in advance es 72....de baab,n6cxb
>
```

From owner-qrp-l@netcom.com Sat Apr 22 15:04:07 1995
From: NYOUNG@nova.wright.edu
Date: Sat, 22 Apr 1995 13:22:56 -0400 (EDT)
Subject: The ARK4 is sold (from a semantic point of view)
Message-Id: <01HPN3034FN68X051G@nova.wright.edu>

I have now got two people contending for the

ARK4 that I had put up for sale on this list.
I figure that's enough folks wondering who's
gonna win the prize. So, officially, and as
far as I'm concerned, the ARK4 (and additional
doodads) is sold. Zeroed out. Verschwunden.
Verkaufen. Vendido. Selt. Weg. Done. Se fue.

Thanks to all those with patience and a snese
... (what? oh, I see: sense) of destiny.

73
Nils
WB8IJN &c

From owner-qrp-l@netcom.com Sat Apr 22 02:11:03 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Think I need roommate at Dayton
Date: Sat, 22 Apr 95 00:02:43 EST5EDT
Message-Id: <1995Apr22.000243.5359@wb3ffv.ampr.org>

I have a room at Dayton, courtesy of W6TOY, who is doing the driving.
Does anyone know if these rooms will support more than one person? If
so, I am willing to take on a male roommate (my wife will not let women
apply :-)) to share the cost of the room equally...or more than one,
depending on how many fit in the room comfortably. I asked Myron about
this a while back, since I understand there is a waiting list, but
received no reply. I hate to bypass those on the waiting list, but
time is getting short. The question is whether these rooms will
support meaningful life for more than one person, and if so, I am
taking applications for a sub-lease. (Sorry, same sex only :-))
73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Sun Apr 23 04:02:05 1995
Message-Id: <199504230522.AA20592@zia.aoc.nrao.edu>
Date: Sat, 22 Apr 1995 23:22:34 -0600
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: Re: Vertical Antennas

Antennas are one of those subjects that no matter what you say, some
guy will come along with a Smith Chart and prove you wrong. But I have
used verticals most of my hamming career. Currently using a 3-element
in-line phased array (about to build a triangular array). They have

been good antennas with a little care.

I will strong AGREE with a few other comments about getting them above ground, even a few feet. The best arrangement I have used for a single vertical is mount the thing on the apex of your roof and run several radials down the slope of the roof. I have found 4 radials per band (15 and 40M can share the same tuned radial) work quite well. I have seen little increase in performance, matching, etc. until getting up to around a dozen radials and that looks like hell on your roof! There's something about running the radials at an angle downward from the radiating element that seems to outperform radials laid flat (perpendicular to the vertical). I would also suggest 4 guy wires 1/3 to 1/2 the way up the vertical for those windy days, sudden storms, and run one radial/wire down to the ground ... not for any cute impedance crap, but for lightning.

Try it ... you'll like it.

72, Paul NA5N

From owner-qrp-1@netcom.com Sat Apr 22 13:57:16 1995
Date: Sat, 22 Apr 1995 10:27:37 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: Vertical Antennas: (Boom or Bust)
Message-Id: <Pine.SUN.3.91.950422101640.6475C-100000@ume>

IMHO: You do not state what are the important band you wish to operate with the vertical. If 20 thru 80 is it I suggest 30 to 40 feet of vertical wire with 3 to 9 radial of similiar length. Feed with balanced line and tuner. (Home brew link coupled or z match tuner my first choice, commercial T tuner with balun usually works ok at low power as well) If 10 thru 40 is the interest..20 to 25 feet might be better (to acheive low angle radiation on 10, 12, 15 in particular.)
Disadvantage: No automatic tuning.
Advantage: Cheaper, more flexible, less visible if a support and wire used.

I have used this setup and it compared admirably to my butternut and to my ham neighbor's (one block away) R5 and Gap verticals. Over 4 years, I worked in excess of 200 countries confirmed and he made DXCC honor roll, albiet with a lot more time spent at the radio then myself!

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Email: zabrodsk@med.ucalgary.ca * NorCal 519 ARCI 7650 GQRP 8329
Phone 403-271-5123 Fax 403-225-1276 * "Power is no subsitute for skill"

From owner-qrp-l@netcom.com Sat Apr 22 14:25:32 1995
Date: Sat, 22 Apr 1995 10:50:03 -0600 (MDT)
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: Re: Vertical Antennas: (Boom or Bust)
Message-Id: <Pine.SUN.3.91.950422104344.6475E-100000@ume>

I agree with completely with the elevated radial approach working better in terms of efficiency AND ESPECIALLY in reducing TVI etc. My butternut worked much better 16 feet up with 6 to 9 radials per band than ground mounted with over 1000 feet of buried wire.....uggh, my back STILL hurts! ;-)
P.S. It outperformed a g5rv up 33 feet consistently on 40 dx....often could not even hear the south pacific guys on the g5rv that I was working on the verticals (butternut and homebrew wire model)

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From owner-qrp-l@netcom.com Sat Apr 22 10:22:43 1995
Date: Fri, 21 Apr 1995 20:35:09 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <199504220135.UAA26356@chuck.dallas.sgi.com>
Subject: Re: Will Dayton crowd take qrp-l to suite?

Stuart et. al.,

I will driving to Dayton starting early Wednesday morning.

I will radioactive on 40, 30, 20, and 10M (the later will be the only phone rig in the PU (pickup truck)).

I will also have my laptop, so will be logging in at night to find out where everyone is. Let's make 7.040, 10.116, and 14.060 MHz the QRP/DAYTON calling freqs for 24 hrs a day from Wednesday 0000Z to Tuesday 2400Z the following week. Everyone that is driving to Dayton keep us posted.

I will try to check into the CHC net periodically on 14.0555 as I move down the highway. Route not determined yet, but I think I30, I40, and then north through the state of TN.

FYI

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

From owner-qrp-l@netcom.com Sat Apr 22 05:02:23 1995
Date: 21 Apr 95 22:20:10 EDT
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: WM-1 Wattmeter
Message-Id: <950422022009_74740.3166_EHB148-1@CompuServe.COM>

My OHR QRP wattmeter arrived today. I was looking forward to building it over the weekend. However, on taking an inventory of the parts, I found that the wire package was missing. So, I guess I'll just settle for stuffing the board this weekend and call OHR on Monday.

The sad part is, now I'll probably have to do some work around the house this weekend instead!

73, Craig WB3GCK

P.S. I usually assemble kits like Chuck, K5FO, does -- with the headphones on. Tonight, after every two or three solder joints, I tuned through the 30 meter band. I worked J6/DK1RP with the ol' rainspout antenna and my trusty MFJ 9030 and the smell of solder in the air. Life is good.

From owner-qrp-l@netcom.com Sat Apr 22 06:42:38 1995
Message-Id: <n1413627600.30717@msmailgw1.arlut.utexas.edu>
Date: 21 Apr 1995 20:06:57 -0600
From: "rohre" <rohre@arlut.utexas.edu>
Subject: W07T: Gap Titan and vert. ants.

Mark Gustoff and new members of the group who have not heard how well my Gap Titan works, QRP or QRO: (Others tune out here),

Hi, this is Stuart K5KVH, who does not own any interest in Gap, but ought to get something for saying as often as I do how well the Gap Titan works, for the past year.

Mine is mounted 6 feet off the grass of the middle of the small lot back yard. The whole lot is 107 feet deep and 65 feet wide, with 1500 sq. feet of house, centered across the 65 foot dimension, thus the back yard is maybe 30 deep at most?

There is a big tree on East side, and smaller ones on the West half, so the Gap is just clear of the big tree which is maybe ten feet or more taller than the 25 foot high Gap, sitting on its 6 foot pole, making it 31 feet in the air at the

tip. OK, so this thing is not in the clear in terms of height or wavelength for half the bands yet I get out very well on SSB or CW, using powers varying from 100 watts SSB to 10 Watts peak qrp, down to 5 watts CW or less. Rigs used have been Kenwood 450, Ten Tec Scout 555, both in qrp or 50 watts, (I do not have a big power supply), or I have used Atlas 215x, 180 or 210x at qrp to 100 watts peak, SSB.

The first SSB contact was with the North Carolina-Va. border on 20 if I recall, and the second SB was the same time period to Kwajalein in the Pacific. Since then, I have ranged over the FULL bandwidth of 40 to 10 and WARC bands with less than 1.8 SWR. On 80M Gap claims 100 k Hz, and mine is set for 3.9, yet I go to 3.8 with less than 2.0:1 SWR. I have worked 5 Continents and numerous countries and I seldom have a chance to get on, except for parts of contests, or casual weekend operations, mostly evening to midnite hours, thus limiting me to almost no 10 Meter work, and little 15 M. I like to answer other stations CQ, but often find as I sign with that station someone will call ME, and comment especially on 40M or 20M, my favorite bands presently, how strong my signal is. I frequently can break DX pile ups. I can close a band with stronger signals than others in a round table when 20 is folding at night. The Titan "listens" long, and I have had the experience of working into Kansas on 80 SSB and having a TX station call me after that. This has happened on more than one band, where I hear a stronger signal on the distant station, but they and a closer station also report similar signals from me. For my limited time to operate, (and I never manage to get up early and take advantage of grey line propagation to Africa,) I think I would have worked all continents if I had been on at the best times. I never have time to operate late afternoons local time either, when evening grey line would help me. Thus, I am getting out well even at less optimum DX times, and working my share of the DX. Mostly on SSB. During the qrp-1 ssb fox hunt, one night on 40 M I worked some of the qrp-1 folks, and it was reported my qrp ssb signal was workable in spite of being on top of a sw bc qrm that I guess I could not hear, as I certainly would not have picked such a spot to call CQ!

As reported by Lew McCoy with other Gap models, I believe it is a more quiet vertical when listening. Now my area is underground power, except across my front street, so I do enjoy an advantage in that aspect, but I had a Hy Gain base fed trap all band vertical before, also mounted up at 7 feet, and the Gap is more quiet, ie does not pick up electrical qrm. Other verticals I have experience with at other locations are the Butternut HF6, (a fine antenna and I know Don personally,) and both the R5 and R7, the R5 I put up for a friend in South Austin, and the R7 I have used the last two years at Field Day in June.

What those three competing antennas to the Gap lack is FULL BAND COVERAGE 40 M thru 10M, except for the WARC bands. Now that is serious when you like 40, 20 and 15, and 10. Check their specs, their SWR will climb and you do not have flat response over the full band. Well my Ten Tec and Kenwood have SWR readout, and I have another one shared among the Atlas rigs, and all show the Gap Titan FLAT over the bands, usually at 1.2 or 1.5 and on 80 I have seen 1.8, but no

sharp tuning. Now you say, a resistor could do that; but a resistor does not get me S7, 8, and 9 plus reports on qrp ssb. My friend with the R5 has had it a couple years and is 25 mi. south of me and has fewer DX countries with 3 times the QRO operating. His operating is ALL CW, so he should have done much better being a retired Maritime operator. All in all, I find the Titan a great antenna even in low sunspot times.

I too read the Butternut handout. I am not sure if Don wrote it or his engineering manager; however, after reading it a couple of times these counterpoints to your numbered comments seem logical:

1) The Gap Titan has a height of 25 feet which is more than a quarter wave on a number of bands and all of it radiates, but it actually in that height has a physical radiator greater than quarter wave, because of the 80 inch diameter counterpoise at the bottom has an insulated radiator of 30 plus feet in its circumference. At assembly, I measured each piece of conductor as it was added, and this counterpoise forms the resonant structure on 40M! This was measured with one of the MFJ Antenna Analyzers, before I bought the RF-1.

2) Thus, the counterpoise apparently can increase efficiency if LARGE ENOUGH to have an effect on a band, at least in the Gap Titan case, for some of the best DX has been on 40M. This compares with my using a N. to S. G5RV before on 40 and up. That was during a better part of the spot cycle, too. I think the Gap is outperforming the low G5RV, it was only about 20 feet up at max.

3) There are no traps in the Titan; there are Large lengths of Aluminum tubing, which may operate as linear decouplers, but if they radiate on other bands, add to the total capture area for radiation or radiating area. I think this has been an overlooked point, and may be a proprietary feature of the Titan. (speculation).

4) A confusing point in the Butternut piece: It is BASE FED and ground mounted verticals that have ground loss, for that is caused by the lack of a counterpoise or resonant radial system making up for a POOR ground RF reflector.

Even with a few radials you still have some ground loss in a ground mounted vertical. ALL verticals work better if elevated, and base fed ones work better when you add radials. Base fed verticals work better if elevated. An elevated feed vertical, or as Gap likes to call them after an article in IEEE

Transactions on antennas: "asymmetrical vertical dipoles" is not being fed against ground alone, but half of itself and on the Titan the counterpoise big wheel at the base of the vertical radiating section. There are also complex explanations, (Not from Gap) of how the feedline that goes up inside the TOP half of the vertical section, and terminates to the top end with a capacitor, (which sets 80M coverage,) works. I like to think of it as a capacitor terminated coaxial stub, but it may be more complex.

It does make the center of the antenna look like 50 ohms, or properly, I should say the coax sticking out the side of the bottom part of the vertical. This part, below the center insulator, is shorter than the inner stub, and has a coax plug for your own feedline to connect.

5) the answer is Likely.

Another thing I like about the Titan; the bottom half, which is really not

symetrically one half, has double wall tubing. Thus, the antenna is flexible on top, but rugged on bottom and withstands wind well. As a precaution, as I still am using just a two foot piece of angle iron 1/2 inch on a side as a mount post, and clamping a piece of light TV Mast to that with U bolts, the top of which carries the double insulated mounting plate for the Titan; I have added three Nylon string guys, meant to be temporary until I get enough tall people over to help meet mount the thing on a taller mast on a house bracket. The Titan, requires three people to walk up, if all three are 5' 8" or less! It has an offset center of gravity, with the decouplers, etc.

Now if I had block and tackle, I could have probably done it alone, or with a Gin Pole, etc. It is not so much heavy as awkward when you pass the critical 45 degree angle to earth in a walk up mode.

There were some parts of the instructions that should have had more detail. There are two adjustable stub tubes on the end of a couple of the decouplers, but no adjustment of these is called out, just a fixed dimension, and no explanation of which band(s) they affect. But then, it covers all of each band save 80, and no adjustment was needed! Be SURE to put all the ring insulators on the bottom double wall tube, BEFORE bringing the coax out its side and adding the PL 259!!

The shipping box is the largest length UPS allows, but is not supposed to go thru the UPS conveyor system. Guess what? Mine did, and UPS did not tell me they resealed it when it broke open. They did not bother to recover the insulators that fell off, and small parts that fell out. However, Gap sent all missing hardware, and everything went well, except I had soldered that PL 259, before noticing the missing insulators. The boxes were stapled by Gap. If you get one, at order time ask if they still do that, and ask they beef it up with tape. Count all parts and file a UPS claim, if needed. In my case, it was hard to tell the box had been opened save for loose staples. The reason UPS gave for mis-handling, was I ordered in June at Ham Com, and Summer is when UPS has temporary helpers, who don't know which sizes of boxes are supposed to have manual sorting!

One has to tune the Butternut, R5 and R7 to the portion of the bands you want; mismeasuring can make one not work well; that happened to a couple of us locally, once at Field Day with the R7! Having a no tune antenna is great! The whole band coverage pushed me toward the Titan, and the other aspects have been great. One is all stainless screws, and they even provide the nutdriver for the hex headed screws. I have worked more than one Gap owner and Titan owner, and they all sound as strong as people tell me mine sounds. If you can't put a dipole at 65 feet high, or multidipoles or inverted V's, or don't want the narrow bandwidth problem of some multi band antennas, you will not go wrong with the Titan. Another thing, I am now convinced a ham's new antenna is always going to outperform his old one; at least until it corrodes to the degree of the old one, and then you either clean it up, or get a new antenna. To prolong this time period, I used Butternut's "Butter its Not" anti-oxidizing compound on all swage joints of the tubing. No-Ox might be even better for an aluminum tubing

joint. This is the copper to aluminum wire stuff, to keep them from burning up from oxidation. Available from electrical supply stores, or good hardware stores.

Anyway, Mark there's one opinion of a user. Would be glad to answer any questions. I have one for you---how would you suggest measuring the efficiency of the antenna? I got the impression that discussion in the handout had a lot of hand waving when they got to talking efficiency, and I did not see how to measure it easily. All I can say is I put it up, I get good reports on not much power, it does not break. 72, and hope to work you on what ever antenna you decide upon. Let us know how yours works out. By the way, if you can buy at a ham show, you may get a better deal than other times. If they ship from the factory, you do not pay local sales tax either. And you may be able to do both.
---Stuart